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इस भाग में भिन्न पृष्ठ संख्या दी जाती है जिससे कि यह अलग संकलन के रूप में रखा जा सके
[Separate paging is given to this Part in order that it may be filed as a separate compilation]

भाग III—खण्ड 2 [PART III—SECTION 2]

पेटेंट कार्यालय द्वारा जारी की गई पेटेंटों और डिजाइनों से सम्बन्धित अधिसूचनाएं और नोटिस
[Notifications and Notices Issued by the Patent Office relating to Patents and Designs]

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Calcutta, the 22nd June 1996

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1—117 GI/96

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Bose Road, Calcutta-700 020.

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पेटेंट कार्यालय

एकल तथा अभिकल्प

कलकत्ता, दिनांक 22 जून 1996

पेटेंट कार्यालय के कार्यालयों के पते एवं क्षेत्राधिकार

पेटेंट कार्यालय का प्रधान कार्यालय कलकत्ते में अवस्थित है तथा बम्बई, दिल्ली एवं मद्रास में इसके शाखा कार्यालय हैं, जिनके प्रादेशिक क्षेत्राधिकार जोन के आधार पर निम्न रूप में प्रदर्शित हैं :—

पेटेंट कार्यालय शाखा, टोडनी इस्टेट
तीसरा तल, लोअर परेल (पश्चिम),
बम्बई-400013।

गुजरात, महाराष्ट्र तथा मध्य प्रदेश तथा गोवा राज्य क्षेत्र
एवं गंध कांसित क्षेत्र, दमन तथा दीव एवं दावर और नागर
हवेली।

तार पता—“पेटेंटोफिस”

पेटेंट कार्यालय शाखा,
एकक सं. 401 से 405, तीसरा तल,
नगरपालिका बाजार भवन,
सरस्वती मार्ग, कलोल बाग,
नई दिल्ली-110005।

हरियाणा, हिमाचल प्रदेश, जम्मू तथा कश्मीर, पंजाब,
राजस्थान, उत्तर प्रदेश तथा दिल्ली राज्य क्षेत्रों एवं संघ
शासित क्षेत्र जण्डीगढ़।

तार पता—“पेटेंटोफिक”

पेटेंट कार्यालय शाखा,

61, वालाजह रोड,
मद्रास-600002।

आन्ध्र प्रदेश, कर्नाटक, केरल, तमिलनाडु तथा पांडिचेरी
राज्य क्षेत्र एवं संघ शासित क्षेत्र, लक्षद्वीप मिनिकाम तथा
एमिनीदिवि द्वीप।

तार पता—“पेटेंटोफिस”

पेटेंट कार्यालय (प्रधान कार्यालय),
निजाम पैलेस, द्वितीय बहुमंतीय कार्यालय,
भवन, 5, 6 तथा 7वां तल,
234/4, आचार्य जगदीश बोस मार्ग,
कलकत्ता-700020।

भारत का अग्रशेष क्षेत्र।

तार पता—“पेटेंटोफिस”

पेटेंट अधिनियम, 1970 या पेटेंट नियम, 1972 में अपे-
क्षित सभी आवेदन पत्र, सूचनाएं, विवरण या अन्य प्रलेख पेटेंट
कार्यालय के केवल उपयुक्त कार्यालय में ही प्राप्त किये जायेंगे।

शुल्क :—शुल्कों की अदायगी या तो नकद की जायेगी अथवा
उपयुक्त कार्यालय में नियन्त्रक को भुगतान योग्य धनादेश अथवा
ड्राफ्ट आदेश या जहां उपयुक्त कार्यालय अवस्थित है, उस स्थान
के अनुसूचित बैंक से नियन्त्रक को भुगतान योग्य बैंक ड्राफ्ट
अथवा बैंक द्वारा की जा सकती है।

APPLICATION FOR PATENT FILED AT THE HEAD
OFFICE 234/4, ACHARYA JAGADISH BOSE ROAD,
CALCUTTA-20

The dates shown in the crecent bracket are the dates
claimed under Section 135, of the Patent Act, 1970

12-02-1996

245/Cal/96. Sankar Hazra. An efficient propulsor for an
aircraft.

246/Cal/96. Daewoo Electronics Co., Ltd. Method for
forming an array of thin film actuated mirrors.
(Convention Nos. 95-9390, 95-9395; on 21/4/95,
95-10581, 95-10582; on 29/4/95 and 95-18673;
on 30/06/1995; in Korea.)

247/Cal/96. Pechiney Rhenalu. Product for a welded con-
struction made of almgmn alloy having improved
mechanical strength. (Convention Nos. PV-
9502387; on 24/2/95 and PV 9512065; on
9/10/95; in France.)

248/Cal/96. Eckhart Weber. Flat collector stirling engine.

249/Cal/96. Karl Obermoser. Stirling Engine.

250/Cal/96. Metallgesellschaft Aktiengesellschaft. Process of
cleaning gases by means of water. (Convention
No. 19505231.5; on 16/2/95; in Germany.)

251/Cal/96. Metallgesellschaft Aktiengesellschaft. Process
for the electrochemical production of ammonium
polysulfide. (Convention No. 19504920.9; on
15/2/95; in Germany.)

252/Cal/96. Siemens Aktiengesellschaft. Method for detect-
ing an earth-fault current. (Convention No.
195068.2; on 15/2/95; in Germany.)

253/Cal/96. Siemens Aktiengesellschaft. Undervoltage release
having an electromagnet. (Convention No.
19507936.1; on 24/2/95; in Germany.)

254/Cal/96. Orlev Scientific computing Ltd. Method of and
apparatus for controlling turbulence in boundary
layer and other wall bounded fluid flow fields.
(Convention Nos. 08/387,567; on 13/2/95 and
08/393,381; on 23/2/95; in U.S.A.)

255/Cal/96. Brose Fahrzeugteile GmbH & Co. KG. Pane
guide for a spherically curved window pane which
can be lowered in a vehicle door. (Convention
No. 19504781.8; on 14/2/95; in Germany.)

- 256/Cal/96. Hoechst Aktiengesellschaft. Process for the distillation of alcohols. (Convention No. 19506280.9; on 23/2/95; in Germany.)
- 257/Cal/96. Saint-Gobain Vitrage. Pane for automatic vehicle. (Convention No. 9501964; on 21/2/95; in France.)
- 258/Cal/96. Fjitsu General Limited. Air Conditioner. (Convention No. 7-95653; on 20/4/95; in Japan.)

13-02-1996

- 259/Cal/96. Daewoo Electronics Co. Ltd. Auxiliary power supply device. (Convention No. 95-2641; on 14/2/1995; in Korea.)
- 260/Cal/96. Daewoo Electronics Co. Ltd. Drive circuit of switching element for switching mode power supply device. (Convention No. 95-2253; on 14/2/1995; in Korea.)
- 261/Cal/96. Greenfield Research Incorporated. A novel device for Augmentation of heat transfer in a circulating fluidised bed boiler.
- 262/Cal/96. Bioniche Inc. A method for treating the internal bladder and associated structures using hyaluronic acid. (Convention Nos. US, 08/388,038; on 14/2/95 and US, 08/591,015; on 8/2/96; in U.S.A.)
- 263/Cal/96. Osram Sylvania Inc. Fluorescent lamp with end of life arc quenching structure. (Convention No. 08/389,995; on 17/2/1995; in U.S.A.)
- 264/Cal/96. Luk Lung Chiao Chou and Jona-Tham Cheng. Automatic Umbrella with multiple control mode.
- 265/Cal/96. Ona Electro-Erosion, S.A. System with control of unwinding of wire for electrical discharge forming machine.
- 266/Cal/96. Steinhoff Laminat GmbH. Laminate and preforms with cardboard laminate and manufacturing process. (Convention Nos. 19540261.8; on 28/10/1995 and 19544653.4; on 30/11/95; in Germany.)
- 267/Cal/96. Target Strike, Inc. Method and apparatus for determining attractors. (Convention No. 08/388,158; on 13/2/95; in U.S.A.)

14-02-1996

- 268/Cal/96. Philips Electronics N.V. Improvements in or relating to communications receivers. (Convention No. 9503064.9; on 16/2/1995; in UK.)
- 269/Cal/96. McNeil-Ppc, Inc. Heat sealable films that are degradable for disposal. (Convention No. 08/390,465; on 17/2/1995; in U.S.A.)
- 270/Cal/96. Tredegar Industries, Inc. Process to melt bond fibers onto three-dimensional formed film to achieve a cloth-like texture and the film produced thereby. (Convention No. 08/395,842; on 28/02/95; in U.S.A.)
- 271/Cal/96. Himel Baran Gupta. Improvement in or relating to western commodes.

15-02-1996

- 272/Cal/96. Brooke Bond Lipton India Limited. Extractor.
- 273/Cal/96. Hans Oetiker AG Maschinen-Und Apparatefabrik. Clamp structure with spring element. (Convention No. 08/396,256; on 1/3/95; in U.S.A.)
- 274/Cal/96. (1) Peter Helmut Ebner and (2) Heribert Lochner. Annealing base for hood type annealing furnaces. (Convention No. A 337/95; on 24/2/95; in Austria.)
- 275/Cal/96. (1) Peter Helmut Ebner and (2) Heribert Lochner. Hood type annealing furnace.

- 276/Cal/96. EMS-INVENTA AG. Condensation injection molding process for producing bottle preforms of polyethylene terephthalate and/or. (Convention No. 195 05 680.9; on 20/2/95; in Germany.)
- 277/Cal/96. Coronet-Werke GmbH. Method and apparatus for the manufacture of brushware and brushware manufactured according thereto. (Convention No. 19506597.2; on 27/2/95; in Germany.)

- 278/Cal/96. Molex Incorporated. Lockable electrical connector. (Convention No. 08/415,013; on 31/3/95; in U.S.A.)

- 279/Cal/96. Armco Inc. Magnesia coating and process for producing grain oriented electrical steel for punching quality. (Convention No. 08/395,552; on 28/2/95; in U.S.A.)

- 280/Cal/96. F F Seeley Nominees Pty. Ltd. Contra Flow heat exchanger. (Convention No. PN 1234; on 20/2/95; in Australia.)

16-02-1996

- 281/Cal/96. Philips Electronics N.V. Electric reflector lamp.

- 282/Cal/96. Frigoscandia Equipment AB. Air treatment apparatus. (Convention No. 9500688-8; on 23/2/95; in Sweden.)

- 283/Cal/96. Degussa Aktiengesellschaft. Process for the preparation of oxazolidinones, novel oxazolidinones and the use of oxazolidinones. (Convention No. 19505932.8; on 21/2/95; in Germany.)

- 284/Cal/96. Degussa Aktiengesellschaft. Process for the preparation of thietanones. (Convention No. 19505995.6; on 21/2/95; in Germany.)

- 285/Cal/96. Degussa Aktiengesellschaft. Process for the preparation of thietane amines. (Convention No. 19505934.4; on 21/2/95; in Germany.)

- 286/Cal/96. Degussa Aktiengesellschaft. Process for producing L-Aspartyl-D-Alanine N-(Thietan-3-YL)-Amides. (Convention No. 19505933.6; on 21/2/95; in Germany.)

- 287/Cal/96. Siemens Aktiengesellschaft. Method for production of a DFB laser diode having a coupled optical waveguide and a DFB laser diode layer structure. (Convention No. 19518350.9; on 18/5/95; in Germany.)

- 288/Cal/96. EVT Energie-Und Verfahrenstechnik GmbH. Steam generator. (Convention No. 19507335.5; on 2/3/95; in Germany.)

- 289/Cal/96. Chin-Fu Chung. Electric cooker with two cooking chambers.

- 290/Cal/96. Matsushita Electric Industrial Co., Ltd. An optical disk and an optical disk recording/reproduction device. (Convention Nos. 7-29436; on 17/2/95 and 7-261245; on 9/10/1995; in Japan.)

- 291/Cal/96. Kudos 2000 Limited. Modular structures. (Convention No. 9503228.0; on 18/2/95; in United Kingdom.)

19-02-1996

- 292/Cal/96. Pronab Kumar Mondal. Anti-pollution device for automobiles, installations oil driven generators and plants.

- 293/Cal/96. Pronab Kumar Mondal. Anti-pollution system for cities and industrial area.

- 294/Cal/96. MCG Closures Limited. Self-centering container closure. (Convention No. 9503430.2; on 9/8/95; 9516347.3; on 21/2/95; in United Kingdom.)

- 295/Cal/96. Emitec Gesellschaft Fur Emissionstechnologie MBH. Honeycomb body having channels of different flow resistance through which a fluid can flow. (Convention No. 19505727.9; on 20/2/95; in Germany.)

- 296/Cal/96. Siemens Matsushita Comp. GMBH & Co. KG. Electrical capacitor, (Convention No. 19507696.6; on 6/3/95; in Germany.)
- 297/Cal/96. Hitachi, Ltd. Information recording method, reproducing method, and reproducing apparatus. (Convention Nos. 07-036462; on 24/2/95 and 07-045245; on 6-3-95; in Japan).
- 298/Cal/96. Rieter Elitex a.s. Usti Nad Orlici. Method of and device for detecting the yarn end on a bobbin. (Convention No. PV 660-95; on 14/3/95; in Czech Republic.)
- 299/Cal/96. Holiandse Signaalapparaten B.V. Arrangement for detection of targets. (Convention No. 9500432; on 6/3/95; in Netherlands.)
- 300/Cal/96. Owens Corning. Infrared radiation blocking insulation product. (Convention No. 08/393,789; on 24/2/95; in U.S.A.)
- 301/Cal/96. Thomson Multimedia S.A. Data line drivers with common reference ramp display. (Convention No. 399,009; on 6/3/95; in U.S.A.)
- 302/Cal/96. Thomson Multimedia S.A. Liquid crystal display driver with threshold voltage drift compensation. (Convention No. 399,014; on 6/3/95; in U.S.A.)
- 303/Cal/96. Thomson Multimedia S.A. Shift register with a transistor operating in a low duty cycle. (Convention No. 398,823; on 6/3/95; in U.S.A.)
- 304/Cal/96. Harris Corporation. Mechanism for controlling test set to assert off-hook condition on telephone lines. (Convention No. 08/407,878; on 20/3/95; in U.S.A.)

COMPLETE SPECIFICATION ACCEPTED

Notice is hereby given that any person interested in opposing the grant of patents on any of the Applications concerned, may, at any time within four months of the date of this issue or within such further period not exceeding one month applied for on Form-14 prescribed under the Patents Rules, 1972 before the expiry of the said period of four months, given notice to the Controller of Patents at the appropriate office on the prescribed Form-15, of such opposition. The written statement of opposition should be filed alongwith the said notice or within one month of its date as prescribed in Rule-36 of the Patents Rules, 1972.

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स्वीकृत सम्पूर्ण विनिर्देश

एतद्वारा यह सूचना दी जाती है कि सम्बद्ध आवेदनों में से किसी पर पेटेंट अनुदान के विरोध करने के इच्छुक कोई व्यक्ति, इसके निर्गम की तिथि से चार (4) महीने या अग्रिम ऐसी अवधि जो उक्त 4 महीने की अवधि की समाप्ति के पूर्व पेटेंट नियम, 1972 के तहत विहित प्रपत्र 14 पर आवेदित एक महीने की अवधि से अधिक न हो, के भीतर कभी भी नियन्त्रक, एकत्रित उपयुक्त कार्यालय में ऐसे विरोध की सूचना विहित प्रपत्र 15 पर दे सकते हैं। विरोध सम्बन्धी लिखित वक्तव्य, उक्त सूचना के साथ अथवा पेटेंट नियम, 1972 के नियम 36 में यथा विहित इसकी तिथि के एक महीने के भीतर ही फाइल किए जाने चाहिए।

“प्रत्येक विनिर्देश के संदर्भ में नीचे दिए वर्गीकरण, भारतीय वर्गीकरण तथा अन्तर-राष्ट्रीय वर्गीकरण के अनुरूप हैं”।

रूपांकन (चित्र आरेखों) की फोटो प्रतियां यदि कोई हों, के साथ विनिर्देशों की टंकित अथवा फोटो प्रतियों की आपूर्ति पेटेंट कार्यालय, कलकत्ता अथवा उपयुक्त शाखा कार्यालय द्वारा विहित लिप्यान्तरण प्रभार जिसे उक्त कार्यालय से पत्र व्यवहार द्वारा सुनिश्चित करने के उपरान्त उसकी अदायगी पर की जा सकती है। विनिर्देश की पृष्ठ संख्या के साथ प्रत्येक स्वीकृत विनिर्देश के सामने नीचे वर्णित चित्र आरेख कागजों को जोड़कर उसे 2 से गुणा करके, (प्रत्येक पृष्ठ का लिप्यान्तरण प्रभार 2/- रु. है) फोटो लिप्यान्तरण प्रभार का परिकलन किया जा सकता है।

Cl. : 128-A

176491

Int. Cl.⁴ : B31D 1/04;

A 61F 13/16, 13/18.

“ABSORBENT PAPER-EMBOSSSED DEBONDED PULP BOARD”.

Applicant : JOHNSON & JOHNSON INC., OF 2155 BOULEVARD PIE IX MONTREAL, QUEBEC, CANADA H1V 2E4.

Inventors : (1) GAETAN CHAUVETTE
(2) SYLVIE BOISSE
(3) YVON LEVESQUE.

Application No. 367/Cal/91 filed on 15th May, 1991.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

16 Claims

A highly absorbent and flexible cellulosic pulp board comprising a non-liberized cellulosic pulp board which has incorporated therein a hydrophilizing and softening effective amount of a debonding agent such as mercin described which after forming a perf-embossed to decrease its stiffness, where-in the density of the board is in the range of about 0.1 to 1.0 g/cc.

Compl. specn. 22 pages

Draws. Nil

Cl. : 76 B

176492

Int. Cl. : F 16 L, 33/02.

"BALANCED CLAMP STRUCTURE".

Applicant : HANS OETIKER AG MASCHINEN-UND APPARATFABRIK, OF OBERDORFSTRASSE 21, CH-8812 HORGEN, SWITZERLAND.

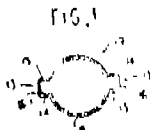
Inventors : HANS OETIKER.

Application No. 404/Cal/91 filed on 29th May 1991.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972). Patent Office, Calcutta.

7 Claims

A clamp structure of the open type for use on rotating parts, with a clamping band (11, 111) adapted to provide overlapping band portions (11a, 11b; 100, 100', 111a, 111b, 111'a, 111'b) in the installed condition of the clamp structure about an object to be fastened thereby, with a mechanical connection for mechanically connecting overlapping band portions including at least one outwardly extending hook like element (31, 32; 131, 132, 131', 132') in an inner band portion (11b, 111b, 111'b) operable to engage in an aperture (35; 135, 135') provided in an overlapping outer band portion (11a, 111a, 111'a), with at least two ear like elements (13, 23, 113, 113') in the clamping band which are located at least approximately diametrically opposite one another, whereby at least one of the ear like element (13, 113, 113') is so constructed as to enable tightening of the clamp structure about the object to be fastened thereby with the outwardly extending hook like element (31, 32; 131, 132, 131', 132') engaging in the aperture (35, 135, 135'), characterized in that openings (36, 46, 36', 146') are provided in the outer band portion (11a, 111a, 111'a) and the inner bands (11b, 111b, 111'b) being provided with outwardly extending hook (37) near the free end of such shape as to guidingly engage in the opening (36).



Compl. specn. 21 pages

Drngs. 3 sheets

Cl. : 206 E

176493

Int. Cl. : H 04 N 9/64.

"MOTION SIGNAL PROCESSOR".

Applicant : SAMSUNG ELECTRONICS CO., LTD., OF NO. 416, MATAN-DONG, KWONSUN-GU, SUWON-CITY, KYOUNGGI-DO, REPUBLIC OF KOREA.

Inventors : MYEONG-HWAN LEE.

Application No. 433/Cal/91 filed on 7th June, 1991.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972). Patent Office, Calcutta.

10 Claims

A motion signal processor for spreading video image signals of a motion area of an image and smoothing a boundary region between said motion area and a still area of said image, wherein said processor comprises :

means for generating a frame difference signal from an input video signal;

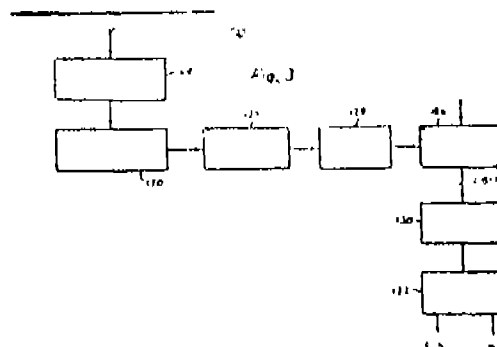
spatial low pass filtering means for filtering said frame difference signal and producing a spatially low pass filtered signal;

absolute value producing means coupled to said spatial low pass filtering means for producing an absolute value signal, said absolute value signal being an

absolute value of said spatially low pass filtered signal;

motion signal spreading means coupled to said absolute value producing means, said motion signal spreading means being operable to produce a spread motion signal, said spread motion signal being produced by spreading a degree of image motion present in pixels of said motion area amongst adjacent pixels of said image by processing said image with an image window and, at any given window position within said image, attributing a maximum motion value to a predetermined pixel within said image window, said maximum motion value being determined by a highest motion value of either : said predetermined pixel itself or a function of other pixels within said image window; and

motion factor generating means for generating motion factors based upon said spread motion signal.



Compl. specn. 30 pages

Drngs 11 sheets

Cl. : 172 D—4

176494

Int. Cl. : D 01 H 1/42.

"A SPINNING MACHINE".

Applicant : FRITZ STAHLCKER AND HANS STAHLCKER OF JOSEF-NEIDHART-STRASSE 18 7347 BAD UBERKINGEN, FRG., AND HALDENSTRASSE 20 7334 SUSSEN, FRG.

Inventors : FRITZ STAHLCKER.

Application No. 572/Cal/1991 filed on 1st August, 1991.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972). Patent Office, Calcutta.

14 Claims

A spinning machine comprising :

a spinning station for spinning yarns from slivers;

a sliver supply can for supplying sliver for the station; and

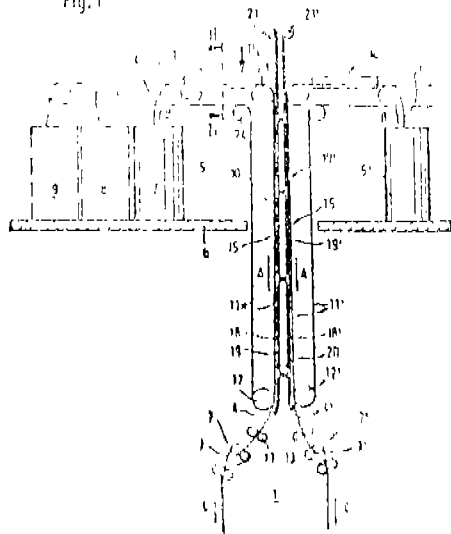
sliver transport apparatus for transporting sliver from the sliver supply can to the spinning station without applying substantial drafting forces to the sliver;

said sliver transport apparatus comprising :

a drivable guide apron which travels in the transport direction of the sliver, said guide apron supporting the sliver during transport thereof, and skids having a sliding surface facing the transport surface adapted to

contact the sliver as it is transported by the transport surface and the said sliding surface (19, 19') is loaded in the direction of the guiding apron (11, 11'; 25, 25') with a spring force of from 0.2 to 1.5 N.

Fig.1



Compl. specn. 16 pages

Drngs. 3 sheets

Cl. : 12 C & D

176495

Int. Cl.⁴ : C 21D 1/00, 8/00, 9/48.

B 21D 22/00.

"COLD REDUCED NON-AGING DEEP DRAWING STEEL AND METHOD FOR PRODUCING".

Applicant : ARMCO STEEL COMPANY, L.P., OF 703 CURTIS STREET, MIDDLETOWN, OHIO 45043, UNITED STATES OF AMERICA.

Inventors : ROLLIN E. HOOK.

Application No. 649/Cal/1991 filed on 2nd September 1991.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

10 Claims

A method of producing an aluminium killed steel, comprising :

producing a slab consisting essentially of $\leq 0.08\%$ carbon, $\leq 0.24\%$ manganese, ≤ 0.01 acid solution wt. % aluminium and nitrogen as an impurity, wherein the product of % acid solution aluminium and % total nitrogen is no greater than about 5×10^{-4} , all percentages by weight, the balance iron and unavoidable impurities, hot rolling said slab having a hot rolling temperature less than about 1260°C to a sheet having nitrogen in solution,

coiling said hot rolled sheet,

descaling said hot rolled sheet,

cold reducing said descaled sheet.

recrystallization batch annealing said cold reduced sheet wherein said annealed sheet is non-aging, characterized by an elongated grain structure and has an n value of at least 1.8.

Compl. specn. 43 pages

Drngs. 11 sheets

Cl. : 102 B

176496

Int. Cl.⁴ : F 15 B 11/16.

"HYDRAULIC DRIVE SYSTEM".

Applicant : HITACHI CONSTRUCTION MACHINERY CO. LTD., OF 6-2 OHTEMACHI 2-CHOME, CHIYODA-KU, TOKYO, JAPAN.

Inventors : (1) MASAMI OCHIAI
(2) TAKASHI KANAI.

Application No. 667/Cal/1991 filed on 6th September, 1991.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

7 Claims

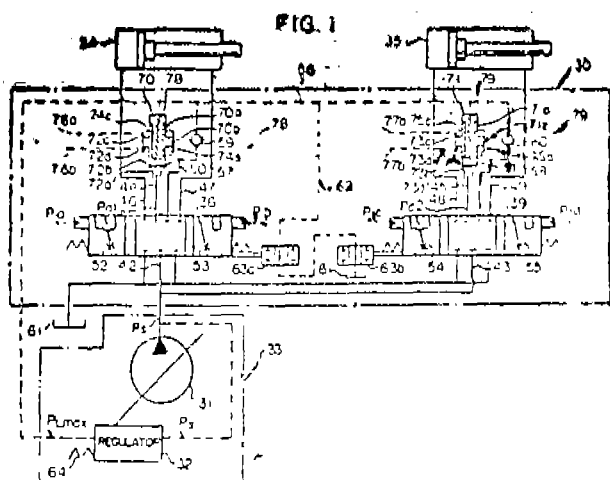
A hydraulic drive system comprising a hydraulic fluid supply source (33), a plurality of hydraulic actuators (34, 35) driven by a hydraulic fluid supplied from said hydraulic fluid supply source, a valve apparatus (30) having a plurality of directional control valves (78, 79) to control flows of the hydraulic fluid supplied from said hydraulic fluid supply source to said plurality of actuators, and means (59, 60) for taking out a maximum load pressure among load pressures of said plurality of actuators, said plurality of directional control valves (38, 39) respectively comprising supply passages (43, 43) communicating with said hydraulic fluid supply source (33), load passages (46, 47; 48, 49) communicating with associated ones of said actuators, first passages (44, 45) capable of communicating with said supply passages, second passages (50, 51) capable of communicating with said first passages and said load passages, flow control valves (36, 39) for controlling flow rates of the hydraulic fluid passing between said supply passages and said first passages dependent upon openings of variable restricting means (52, 53; 54, 55) disposed therebetween, and also for selectively communicating between said second passages and said load passages, and pressure control valves (70, 71) disposed between said first passages and said second passages for controlling pressures in said first passages, said pressure control valves respectively comprising valve bodies (70a, 71a) having first pressure receiving sectors (72a, 73a) operative in a valve opening direction and second pressure receiving sectors (72b, 73b) operative in a valve closing direction, first control chambers (74a, 75a) to which the pressures in said first passages (44, 45) are introduced for causing the introduced pressures to act on said first pressure receiving sectors, and second control chambers (74b, 75b) to which said maximum load pressure is introduced as a first control pressure for causing said first control pressure to act on said second pressure receiving sectors, wherein :

said hydraulic drive system further comprises first pressure generating means (89, 91) for generating second control pressures different from said first control pressure, and

second pressure generating means (90, 92) for generating third control pressures different from said first and second control pressures, and

said pressure control valves (70, 71) further respectively have third pressure receiving sectors (72c, 73c) operative in the valve closing direction and fourth pressure receiving sectors (72d, 73d) operative in the valve opening direction, said third and fourth pressure receiving sectors being provided on said valve bodies (70a, 71a), and also have third control chambers (74c, 75c) to which said second control pressures are introduced for causing said second control pressures to act on said third pressure receiving sectors, and fourth control chambers (74d, 75d) to which said third

control pressures are introduced for causing said third control pressures to act on said fourth pressure receiving sectors.



Compl. specn. 42 pages

Drngs. 10 sheets

Cl. : 65 B 2

176497

Int. Cl.⁴ : H 01 F 41/02.

"A METHOD OF MANUFACTURING A CORE FOR AN AMORPHOUS METAL TRANSFORMER".

Applicant : GENERAL ELECTRIC COMPANY, OF 1 RIVER ROAD, SCHENECTADY 12345, NEW YORK, UNITED STATES OF AMERICA.

Inventors : (1) ALBERT CHONG LEE
(2) W. C. HARRIS.

Application No. 686/Cal/1991 filed on 10th September, 1991.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

16 Claims

A method of manufacturing a core for an amorphous metal transformer comprising :

- making a core from that includes a window and comprises section of amorphous metal strip wrapped about said window, the strip sections having edges at laterally opposite sides thereof and the core form having at laterally opposed sides of the core form a pair of faces where the edges of the strip sections are located.
- annealing said core form to relieve stresses therein; and
- after said annealing step, disrupting in a controlled manner short-circuiting adhesions between juxtaposed strip sections that had developed during said annealing step by a procedure that subjects said adhesions to disruptive force of such a character that it causes relative lateral movement between juxtaposed strip sections without cracking or shattering the strip sections.

Compl. specn. 33 pages

Drngs. 5 sheets

Cl. : 195 C

176498

Int. Cl.⁴ : F 16 K 1/22.

"A VALVE DISC AND DRIVE SHAFT ASSEMBLY PARTICULARLY FOR A BUTTERFLY VALVE".

Applicant : BTR PLC. OF SILVERTOWN HOUSE VINCENT SQUARE, LONDON SW1P 2PL, ENGLAND.

Inventors : (1) PHILLIP JOHN HASELEY
(2) MICHAEL PATRICK MORRIS.

Application No. 046/Cal/1992 filed on 27th February, 1992.

(Convention No. 9102003.2 on 30-01-1991 in Great Britain).

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

10 Claims

A valve disc and drive shaft assembly particularly for a butterfly valve, the said assembly comprising a disc formed with a blind bore of circular cross-section extending radially inwards from the disc periphery and a shaft of circular cross-section located in said bore having a diameter substantially equal to that of the bore, the end of the shaft or the base of the bore being provided with a tang extending parallel to the shaft rotational axis and diametrically across at least part of the shaft or base perpendicularly to the plane of the disc and fitting in an elongated recess provided at the base of the bore or the end of the shaft respectively.

Compl. specn. 8 pages

Drng. 5 sheets

Cl. : 85 F

176499

Int. Cl. : F 23 H 1/02, 17/08.

"A FRAME ELEMENT FOR FORMING A GRATE."

Applicant : ABRASION ENGINEERING COMPANY LIMITED, OF 2ND F1 SIR WALTER RALEIGH HOUSE 48-50 THE ESPLANADE, ST. HELIER JERSEY JE2 3QB CHANNEL ISLANDS.

Inventors : JEAN-CLAUDE CLAES.

Application No. 85/Cal/1992 filed on 9th September, 1992.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

14 Claims

A frame element for forming a grate, including two spaced-apart side members (12, 14) and several plate members (6) arranged one next to the other in longitudinal direction of the side members between said members, between which plate members is provided a gasventing slot

(34), characterized in that the side members (12, 14) are formed by two opposing surfaces of a frame (2), and that the plate members (6) are each constructed as individual structural parts releasably connectable to the side members (12, 14).

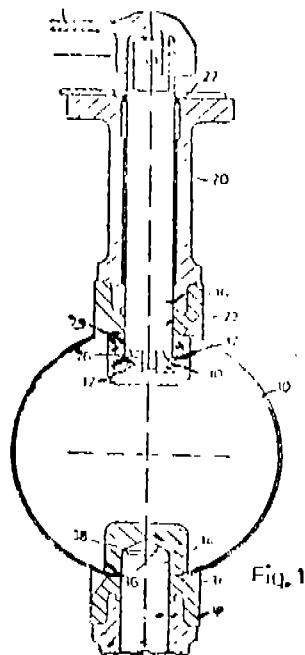


Fig. 1

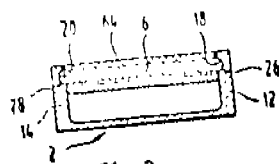


Fig. 2

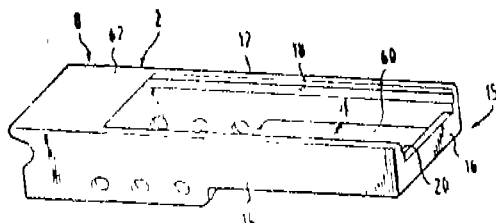


Fig. 3

Compl. specn. 16 pages

Drgns. 2 sheets

Cl. : 32 F,

176500

Int. Cl.4 : C 07 C 143/55.

"PROCESS FOR THE PREPARATION OF CRYSTALLINE, SALT-FREE, CHLORINE SUBSTITUTED 3-NITROBENZENESULFONIC ACID HYDRATES."

Applicant : HOECHST AKTIENGESellschaft, OF D-65926 FRANKFURT AM MAIN, FEDERAL REPUBLIC OF GERMANY.

Inventors : OTTO ARNDT.

Application No. 183/Cal/94 filed on 21st March, 1994.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

8 Claims

A process for the preparation of crystalline, salt-free, chlorine substituted 3-nitrobenzenesulfonic acid hydrates from sulfonation mixtures which contain chlorine-substituted 3-nitrobenzenesulfonic acid, which comprises mixing the sulfonation mixture with from 8-25% by weight strength aqueous sulfuric acid at from 40°C to 100°C cooling the resulting suspension to from 5°C to 20°C filtering off the precipitate and dissolving it with water at from 30°C to 100°C carrying out filtration if desired, cooling the solution to from 5 to 40°C and filtering it, and recycling the sulfuric acid-containing filtrate if desired.

Compl. specn. 9 pages

Drgns. Nil.

RENEWAL FEES PAID

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159702	159752	159830	159863	159874	159964	160046
160070	160355	160802	161283	161379	161403	161609
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164547	164566	164567	164903	165147	165386	166317
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172297	172561	173139	173199	173205	173974	173976
174183	174346	174487	174549	174872	174999	175000
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PATENT SEALED ON 24-05-96

175915	175939	175951	175953*	175962	175964	175967
175968	175972	175973	175975*	175976	175977*	175978*
175979	175983	175996				

CAL-17, DEL-NIL, BOM-NIL, MAS-NIL

*Patent shall be deemed to be endorsed with the words LICENCE OF RIGHT Under Section 87 of the Patents Act, 1970 from the date of expiration of three years from the date of sealing.

D—Drug Patents, F—Food Patents.

REGISTRATION OF DESIGNS

The following designs have been registered. They are not open to inspection for period of two years from the date of registration except as provided for in Section 50 of the Design Act, 1911.

The date shown in the each entries is the date of the registration included in the entries.

Class 1. No. 170212, Mangesh Shrikant Gogate of D 447 Mahendra & Mahendra Colony, Shri Krishna Nagar, Borivli (E), Bombay 400066, Maharashtra, India. Indian of above address. "HOT POT STAND", 16th November 1995.

- Class 1. No. 170153, Shri Neelkant Rathakas Dongre and Deepak Charatram Shriram as trustees of Chinari Trust of Unit No. 11, Block A, DDA Shopping Complex, Ring Road, Naraina, New Delhi-110028, India. "GEYSER", 10th November 1995.
- Class 3. No. 169551, Mehta Pen & Plastic, 3055, Bhandup Industrial Estate, L.B.S. Road, Pannalal Compound, Bhandup (W), Bombay-400078, Maharashtra, India, whose proprietor is Chandresh Vasantrao Mehta, an Indian national of above address, "PEN STAND CUM BALL PEN", 26th July 1995.
- Class 3. No. 169457, Gopiseti Venkata Ramana Rao, Indian, Sri Almighty Chemical Works, T-149, Self Financo Colony, Vanasthalipuram, R. R. District, Hyderabad (AP), India. "INCENSE STICKS STAND-CUM-BOX", 3rd July 1995.
- Class 3. No. 170067, Italik Metalware Pvt. Ltd., a private limited company incorporated under the Indian Companies Act, "KLIK", near Nutan Press, Sadar, P.B. No. 333, Rajkot-360001, India, State of Gujarat, above address, "NAPKIN HOLDER", 20th October 1995.
- Class 3. No. 169852, Brilliant International, 228, Adhyaru Industrial Estate, Lower Parel, Bombay-13, Maharashtra, India, an Indian partnership firm, "HOLDER", 15th September 1995.
- Class 3. No. 169740, Super Cassettes Industries Limited, an Indian Company of W-108, Greater Kailash Part II, New Delhi, India. "BOTTLE", 24th August 1995.
- Class 3. No. 170416, Usha Shriram Brita Pvt. Ltd., an Indian Company of Unit No. 11, Block A, DDA Shopping Complex, Ring Road, Naraina, New Delhi-110028, "JUG", 18th December 1995.
- Class 3. No. 170640, Prakash Enterprises, an Indian company of C-273 Phase II, Mayapuri Industrial Area, New Delhi-110064, India. "VACUUMIZER", 30th January 1996.
- Class 3. No. 170117, Motorola Inc., a corporation of the State of Delaware of 1303 East Algonquin Road, Schaumburg, Illinois-60196, United States of America, "SELECTIVE CALL RECEIVER WITH A HOLSTER", 3rd November 1995.
- Class 3. No. 169926, Motorola Inc., a corporation of the State of Delaware, United States of America, of 1303 East Algonquin Road, Schaumburg, Illinois 60196, United States of America, "RADIO PAGER", 27th September 1995.
- Class 3. No. 168370, Savita Chemicals Ltd., an Indian Company, Incorporated in India, 66/67, Nariman Bhavan, Nariman Point, Bombay-400021, Maharashtra, India, "CONTAINER", 7th November 1994.
- Class 3. No. 169361, Shriram Foods & Fertiliser Industries, an Indian company of 15, Shivaji Marg, P.O. Box 6219, New Delhi-110015, India, "CONTAINER", 20th June 1995.
- Class 3. No. 168999, Sony Kabushiki Kaisha trading as SONY CORPORATION, a Japanese corporation having its registered address at 6-7-35 Kitashinagawa, Shinagawaku, Tokyo, 141, Japan, "TELEVISION RECEIVER", 5th April 1995.
- Class 4. No. 170250, Lakme Limited, of Bombay House, 24 Homi Mody Street, Bombay-400001, Maharashtra, India, an Indian Company, "A BOTTLE WITH CAP", 20th November 1995.
- Class 5. No. 169757, Saaz Enterprises, an Indian Company of B-11/2 Okhla Industrial Area, Phase II, New Delhi-20, India, "TISSUE BOX", 28th August 1995.
- Class 10. No. 170332, Mangal Rubber Products Pvt. Ltd., of Swastik Industries Comp., Ram Baug, Chincholi Bunder Road, Malad (W), Bombay-64, Maharashtra, India, Indian Company, "SLIPPER", 30th November 1995.
- Class 14. No. 169771, Parry Murray & Co. Ltd., a British Company of Canterbury House, 7th Floor, Sydenham Road, Croydon CR0 9XE, Surrey, United Kingdom, "TEXTILE ARTICLE", 30th August 1995.

T. R. SUBRAMANIAN

Controller General of Patent, Design & Trade Marks

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